

FIG. 2A

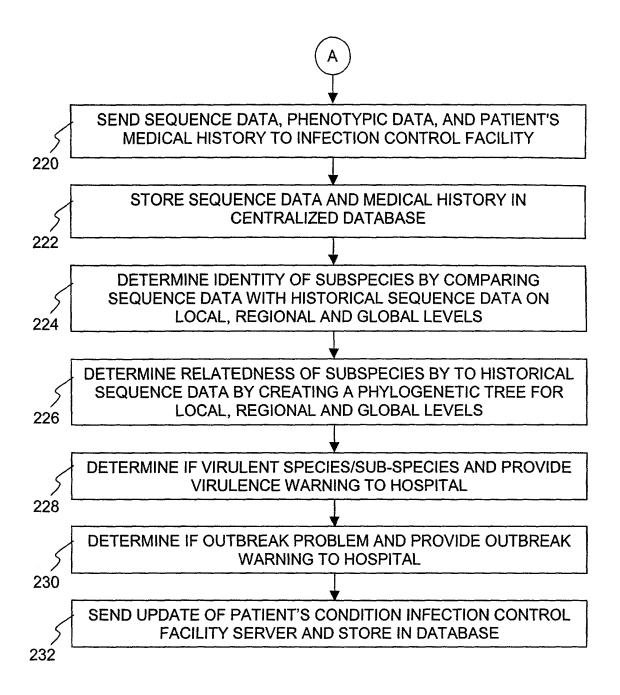
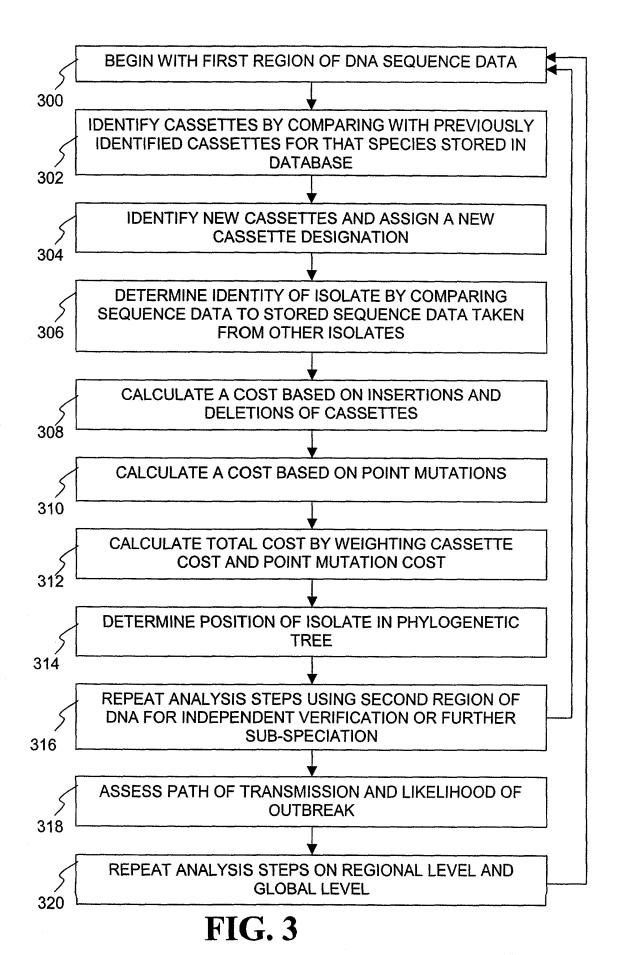


FIG. 2B



404

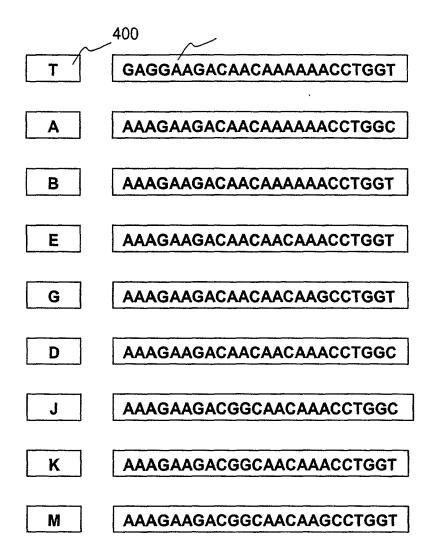


FIG. 4A

GAGGAAGACAACAAAAACCTGGTAAAGAAGACGGCAACAACCTGGCAAAGAA GACGGCAACAAGCCTGGTAAAGAAGACAACAACCAACCTGGTAAAGAAGACGGC AACAAGCCTGGTAAAGAAGACAACAACCTGGCAAAGAAGACGGCAACAAG CCTGGTAAAGAAGACAACAAGCCTGGTAAAGAAGACGGCAACAAGCCTGGT AAAGAAGACGGCAACAAACCTGGT

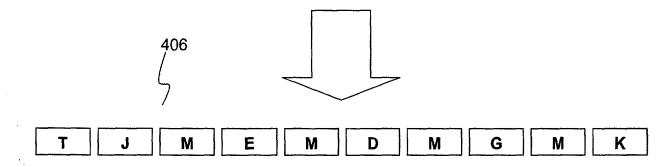


FIG. 4B

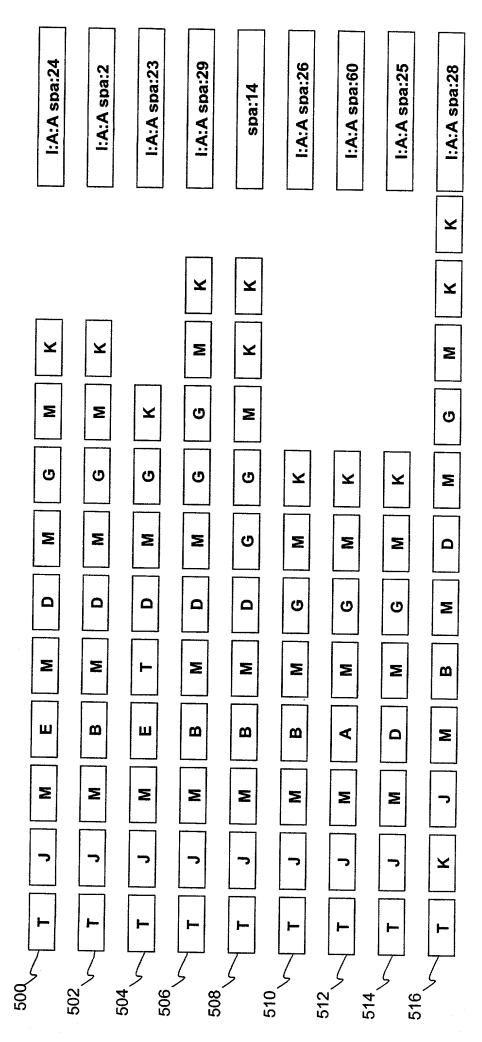


FIG. 5

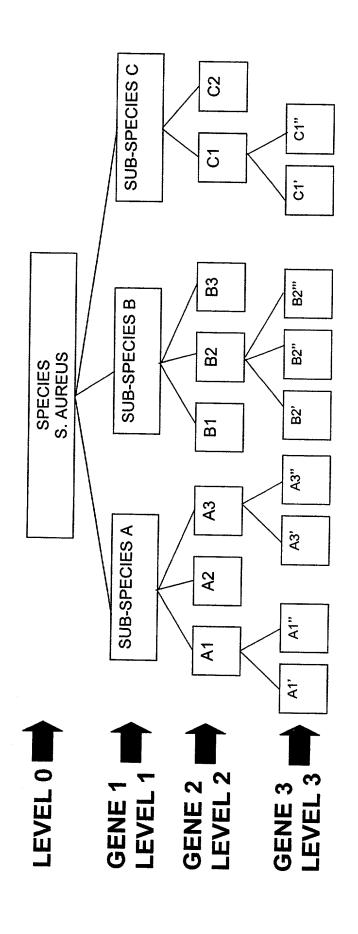


FIG. 6

SPECIES	S. aureus	S. aureus	
SUBSPECIES	A1'	B7"	
SEQ REGION 1	ATTCATAGAT		
SEQ REGION 2	CGTACTATCC		
SEQ REGION 3	ATTCGTTATA		
REGION 1 PRIMERS			
REGION 2 PRIMERS			
REGION 3 PRIMERS			
REPEATS REGION 1	TKJMP		
REPEATS REGION 2	ABABA		
REPEATS REGION 3	TYYT		
DATE	June 5, 2000		
PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery		
PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released	Patient died due to infection after two weeks	
LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU	
PHAGE TTYPE			
	1	1	1

FIG. 7A

S. AUREUS						
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3			
PROTEIN A X _R	AATTCGCCTAGG	AATTCCCCTAGG	TAGGCCGT			
REGION 2	TTAAAGGCCTGA	GGTTCCAATAAT	GGTTAACC			
REGION 3						

FIG. 7B

TTTTCTTGGCAATTTTGGTCGTATTATCCGCTTTTTTGACTGTTCCTGACGATTCTTGATTTGTCTGTATCTGTTT
AGTTGCTTGGTTTTCTGCTACTGATTCCTTTGTTTGACTAGCCTTGGCAGAGGGCTTTGAATTACTTTGAGCGTCAT



Fig. 8A

SEQ ID NO 38

SEQ ID NO. 23

Fig. 8B

MTEFWPLLWLLSFT				
VLGVLLSEVLLVALV	SEQ	ID	ИО	39
VLEALLSLVLLVLLV	SEQ	ID	NO	40
VLGVLLSFYLLVSLV	SEQ	ID	NO	41
VLEVLLSLVLLVSLV	SEQ	ID	NO	42
VLGVLLSLVLLVSLV	SEQ	ID	NO	43
VLGVLLSLVLLVSLV				
VLEVLLSLVLLLSLV	SEQ	ID	ИО	44
VLGVLLSLVLLLSLV	SEQ	ID	NO	45
VLGVLLSLVLLVSLV				
VLGVLLSFVLLVSLV				
VLEVLLSLVLLVLLV	SEQ	ID	ИО	46
VLGVLLSFVLLVSLV	SEQ	ID	NO	47
VLEVLLSLVLLVSLV				
VLEVLLSLVLLVVSV	SEQ	ID	NO	48
DFSTNRSNAVFMVCVN				

Fig. 8C

 ${\tt ATGTTCCAGCCCCTATTAGACGCTTATACAGACAGCACCCGTTTAGATGAAACCGATTATAAGCCCCCCATTAAATAT}$ GCCAGAAAATCCTATCCTATCAAAACACTAAAAGGGTGTTTTACACCGGTGAAAATGAAGTCCCTAATTTCAATCT $\tt CTTTGATTACGCCATAGGCTTTGATGAATTGGACTTTAGAGATCGTTATTTGAGAATGCCTTTATATTACGCTAGCT$ ${\tt TGCATTATAAAGCCGAGAGCGTGAATGACACCACCGCGCCCTACAAACTCAAAGACAACAGCCTTTAT \cite{\tt CTTTAAAA}$ AAGCCCTCCCATCATTTTAAAGAAAACCACCCTAATTTATGCGCAGTAGTGAATGATGAGAGCGATCC†TTGAAAAG AGGGTTTGCGAGCTTTGTCGCGAGCAACCCTAACGCTCCTATAAGGAACGCTTTCTATGACGCTTTAAATTCTATTG AGCCAGTTACTGGGGGAGGGAGCGTGAAAAACACTTTAGGCTATAACGTCAAAAACAAGAGCGAGTTTTTAAGCCAA TACAAATTCAATCTGTGTTTTGAAAACACTCAAGGCTATGGCTATGTAACTGAAAAAATCATTGACGCTTATTTCAG $\tt CCACACCATTCCCATTTATTGGGGGGAGTCCTAGCGTGGCGAAAGACTTTAACCCTAAGAGTTTTGTGAACGTTTGTG$ ${ t ATTTTAAAAACTTTGATGAAGCGATTGATTACGTGAGATACTT}_{ t GCACACGCACCCAAACGCTTATTTAC} { t ACATGCTC}$ TTTTAAAACGATTTTAGAAAACGACACGATCTATCACGATAACCCTTTCATTTCTATCGCGATTTGAATGAGCCTT TAGTAGCTATTGAT GATE STATE OF THE SAME OF THE SECOND STATE OF THE STATE OF THE SAME OF THE SAM altigaesidi ayyata ka <mark>cam</mark>

GAT GATCGCCTTTTACAAAACGCTTCGCCTTTATTAGAACTCTCTCAAAACACCCACTTTTAAAATCTATCGCAAAG CCTATCAAAAATCCTTACCTTTGTTGCGCACCATAAGGAGATGGGTTAAAAAAATAA

Fig. 9A

SEQ ID NO 52

GAT GAT GAT GAT GAT GAT GAT

SEQ ID NO 50

SEQ ID NO 59

Fig. 9B



SEQ ID NO 53

Fig. 9C

PEPSPDPEPEPTPD

PEPSPDPEPEPSPD

PDP

Fig. 10D

AATAATGAGAATGTTGTACGTTATGGTGGTGGAAGTGCTGATGGTGAT

SEQ ID NO 76

CALTCGGATTCAGACAGTGACTCAGACAGCGACTCAGACTCAGACTCAGACTCAGATTCAGACTCAGATTCAGACTCAGATTCAGACTCAGATTCAGACTCAGATTCAGACTCAGATTCAGACTCAGACTCAGACTCAGACTCAGACTCAGACTCAGACTCAGACTCAGACTCAGACTCAGATTCAGATTCAGACTCACACAAACCTAGACTCACACAAAACCTACCACCAAAAACTGATGCTTTTACCA

SEO ID NO 54

Fig. 10A

SEO ID NO 77

	ATGGTGGTGGAAGTGCTGATGGTGAT	Œ
	470 TD 110 ST	
GATTCGGATTCAGACAGT	SEQ ID NO 55	
GACTCAGGCTCAGACAGC	SEQ ID NO 56	
CACTCAGGTTCAGATAGC	SEQ ID NO 57	
GACTCAGAATCAGATAGC	SEQ ID NO 58	
GATTCGGATTCAGACAGT	070 TD 110 F0	
GATTCAGATTCAGACAGC	SEQ ID NO 59	
GACTCAGAATCAGATAGC	GEO ID NO CO	
GATTCAGAATCAGATAGC	SEQ ID NO 60	
GACTCAGATTCAGATAGC	SEQ ID NO 61	
GATTCAGATTCAGATAGC	SEQ ID NO 62	
GATTCAGATTCAGATAGC		
GATTCGGATTCAGACAGT GATTCAGATTCAGACAGC		
GACTCAGAATCAGACAGC		
GACTCAGAATCAGATAGC	SEQ ID NO 63	
GAGTCAGATTCAGACAGT	SEO ID NO 64	
GACTCGGACTCAGACAGT	SEQ ID NO 65	
GATTCAGACTCAGATAGC	SEQ ID NO 66	
GATTCAGACTCAGATAGC	SEQ ID NO 00	
CATTCAGATTCAGACAGC		
GACTCAGATTCAGACAGC	SEQ ID NO 67	
GACTCAGACTCAGATAGC	SEQ ID NO 68	
GACTCAGACTCAGACAGC	SEQ ID NO 69	
GACTCAGATTCAGATAGC		
GATTCAGACTCAGACAGC	SEQ ID NO 70	
GACTCAGACTCAGACAGC	-	
GAC TCAGACTCAGATAGC		
GACTCAGATTCAGATAGC		
GATTCAGACTCAGACAGC		
GACTCAGATTCAGATAGC		
GATTCGGACTCAGACAGC	SEQ ID NO 71	
GA TTCAGATTCAGACAGC		
GACTCAGACTCGGATAGC	SEQ ID NO 72	
GATTCAGATTCAGATAGC		
GATTCGGATTCAGACAGT		
GATTCAGATTCAGACAGC		
GACTCAGACTCGGATAGC		
GACTCAGACTCAGACAGC		
GATTCAGACTCAGATAGC		
GACTCAGACTCGGATAGC		
GACTCGGATTCAGATAGC	SEQ ID NO 73	
GACTCAGACTCAGATAGT	SEQ ID NO 74	
GACTCCGATTCAAGAGTT	SEQ ID NO 75	
	GCACCATCAAATCCTAAAGGTGAAGTAAACCATTCTAATAAGGTATCAAAA	.CA
ACACAAAACTGATGCTTTACC		

Fig. 10B

Repeat pattern isolate 1: 1-2-3-4-1-5-4-6-7-8-8-1-5-4-9-10-11-12-12-5-13-14-15-7-16-15-14-7-16-7-17-5-18-8-1-5-18-15-12-18-19-20-21

Fig. 10E

ı	TCAGCAGTA	AAATCCGAAAG	accc <mark>aactcca</mark>	GGGCCGC	CGGTT	GA C [®]	Cog (24.5)
-	v. telefologyer	(Vilato); terry; (vilay)	ો(<i>દોઇઇસ્ટર) સામ</i> ાર્જક(છે	NET VIVAGE	(el.vixele)	37.C	el el el el
į		TCAGACAGT	Anna talling and the public and the primary and the sign of the si	والمتكورة وموج وماركات والمتحدود والمدارية	Polyaphore Symposius and Symposius (1920)	and the second	
į	GACTCAGGC	TCAGACAGC					
	gactcaggi	TCAGATAGC					
	Gactcagaa	TCAGATAGC					
	GATTCGGAT	TCAGACAGT					
	GATTCAGAT	TCAGACAGC					
Č	gactcagaa	TCAGATAGC					
Ž	JATTCAGAA	TCAGATAGC					
Č	JACTCAGAT	TCAGATAGC					
Č	SATTCAGAT	TCAGATAGC					
Č	JATTCAGAA	TCAGATAGC					
Č	SATTCGGAT	TCAGACAGT					
C	JATTCAGAT	TCAGACAGC					
Č	ACTCAGAA	TCAGATAGC					
Č	ACTCAGAA	TCAGATAGT					
C	JAGTCAGAT	TCAGACAGT					
Ć	FACTCGGAC	TCAGACAGT					
Ç	ATTCAGAC	TCAGATAGC					
Č	ATTCAGAC	TCAGATAGC					
C	SATTCAGAC	TCAGACAGC					
C	PATTCAGAT	TCAGACAGC					
C	Jactcagaa	TCAGACAGC		SEO	ID NO	79	,
G	ACTCAGAC	TCAGATAGC					
G	JACTCAGAC	TCAGACAGC					
G	<i>ACTCAGAT</i>	TCAGATAGC					
G	ATTCAGAC	TCAGACAGC					
G	ACTCAGAC	TCAGACAGC					
G	ACTCAGAC	TCAGATAGC					
G	ATTCAGAC'	TCAGACAGC					
G	ACTCAGAT	TCAGATAGC					
27.	Y . 13 - 1	TCAGACAGC					
G	ATTCAGAT	TCAGACAGC					
G	ACTCAGAC	TCGGATAGC					
47.7	Carrier of	TCAGACAGC					
27.4	derivative and the second	TCGGATAGC					
237	1980 ·	TCAGATAGT		SEO	ID NO	80	
77.5	45.50	TCAAGAGTT		~=2	110		
313							

Fig. 10C

Repeat pattern isolate 2: 1-2-3-4-1-5-4-6-7-8-6-1-5-4-9-10-11-12-12-16-5-22-14-15-7-16-15-14-16-7-17-5-18-5-18-23-21

Fig. 10F